

# START

0013876

March 19, 1991

Meeting Minutes Transmittal/Approval  
Unit Managers Meeting: 100 Aggregate Area Operable Units  
450 Hills Street, Room 47, Richland, Washington

Meeting Held February 21, 1991

From/  
Appvl.: James D. Goodenough Date: March 21, 1991  
James D. Goodenough, 100-HR-1/DR-1/BC-1/KR-1 Unit Manager, DOE-RL  
(A5-19)

Appvl.: For: James D. Goodenough Date: March 21, 1991  
K. Michael Thompson, 100-HR-3/BC-5/NR-1/KR-4 Unit Manager, DOE-RL  
(A5-19)

Appvl.: Paul M. Pak Date:                       
Paul M. Pak, 100-NR-3 Unit Manager, DOE-RL (A5-19)

Appvl.: Larry Goldstein Date: 4/16/91  
Larry Goldstein, 100-HR-1/BC-1/BC-5/NR-1/KR-1 Unit Manager, WA  
Department of Ecology

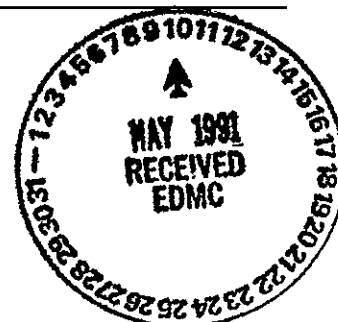
Appvl.: Charles S. Cline Date: 3/21/91  
Charles S. Cline, 100-HR-3/DR-1/NR-3/KR-4 Unit Manager, WA Department  
of Ecology

Appvl.: Douglas R. Sherwood Date: 3/21/91  
Douglas R. Sherwood, 100-HR-1/HR-3/DR-1/BC-1/BC-5 Unit Manager,  
EPA (B5-01)

Appvl.: David R. Einan Date: 3/21/91  
David R. Einan, 100-KR-1/100-KR-4 Unit Manager, EPA (B5-01)

Meeting Minutes are attached. Minutes are comprised of the following:

- Attachment #1 - Meeting Summary/Summary of Commitments and Agreements
- Attachment #2 - Attendance List
- Attachment #3 - Commitments/Agreements Status List
- Attachment #4 - 100-HR-1/HR-3/DR-1 Agenda
- Attachment #5 - 100-HR-1/HR-3/DR-1 Schedule
- Attachment #6 - Comments on the December 19, 1991 Meeting Minutes
- Attachment #7 - Hanford Information Gathering Instrument



**100 Aggregate Area Operable Units Managers Meeting  
February 21, 1991**

Prepared by: Bill Fryer Date: 3/21/91  
 Bill Fryer, SWEC Support Services

Concurrence by: [Signature] Date: 3/21/91  
 WHC HR-1 RI Coordinator

Concurrence by: [Signature] Date: 3/21/91  
 WHC HR-3 RI Coordinator

Concurrence by: [Signature] Date: 3/21/91  
 WHC DR-1 RI Coordinator

Concurrence by: [Signature] Date: 8/21/91  
 WHC BC-1 RI Coordinator

Concurrence by: [Signature] Date: 3/21/91  
 WHC BC-5 RI Coordinator

Concurrence by: [Signature] Date: 3/21/91  
 WHC NR-1 RI Coordinator

Concurrence by: [Signature] Date: 3/21/91  
 WHC NR-3 RI Coordinator

Concurrence by: \_\_\_\_\_ Date: \_\_\_\_\_  
 WHC KR-1 RI Coordinator

Concurrence by: \_\_\_\_\_ Date: \_\_\_\_\_  
 WHC KR-4 RI Coordinator

100 Aggregate Area Operable Units Managers Meeting  
February 21, 1991

Distribution:

Pamela Innis, EPA (B5-01)  
Donna Lacombe, PRC  
Ward Staubitz, USGS  
Diane Clark, DOE (A5-55)  
Doug Fassett, SWEC (A4-35)  
Mary Harmon, DOE-HQ (EM-442)  
KaeRae Parnell, WHC (H4-18)  
Tom Wintczak, WHC (B2-15)  
Mel Adams, WHC (H4-55)  
Merl Lauterbach, WHC (H4-55)  
Linda Powers, WHC (B2-35)

Ronald D. Izatt (A6-95)  
Director, DOE-RL, ERD  
Ronald E. Gerton (A6-80)  
Director, DOE-RL  
Roger D. Freeberg (A6-95)  
Chief, Rstr. Br., DOE-RL/ERD  
Steven H. Wisness  
Tri-Party Agreement, Prog. Mgr.  
Richard D. Wojtasek (B2-15)  
Prgm. Mgr. WHC

ADMINISTRATIVE RECORD: 100-HR-1, 100-HR-3, 100-DR-1, 100-BC-1, 100-BC-5,  
100-KR-1, 100-KR-4, 100-NR-1, 100-NR-3; Care of Susan Wray, WHC (H4-51C)

Please inform Doug Fassett (SWEC) of deletions or additions to the  
distribution list.

Attachment #1

Meeting Summary and Summary of Commitments and Agreements

100 Aggregate Area Operable Unit Managers Meeting  
February 21, 1991

100-BC-1,5

1. Report by Merle Lauterbach (WHC): The work plans have been resubmitted to the regulators for a second review.

100-KR-1,4

2. Report by Merle Lauterbach: An extension of the 15 day comment turnaround period has been requested by WHC due to the large number of comments.

100-NR-1,3

3. Report by Merle Lauterbach: Comments are in from the DOE. The comments are being discussed in meetings held on 2/20 and 2/21. *Ecology and EPA comments have not yet been received.*

**ACTION ITEM #1NR.3:** Provide to Ecology (and EPA if desired) the DOE guidance documents that are needed. Action: P. Pak and K. M. Thompson (2/21/91)

General

4. Merle Lauterbach reported that supplemental funding came through in January. There is approximately \$2.5 million per reactor area except for H and D areas, for which there is approximately \$3.8 million. Until work plans are approved, monthly approval for non-intrusive work will be sought. Doug Sherwood (EPA) stated that enforceable milestones are needed in proposed schedules. A new approach specifying milestones for major packages of work is proposed. Merle Lauterbach stated that WHC was instructed by DOE to hold back schedules for work plans succeeding 100-KR-1 and KR-4 until the cost issues are resolved. The areas that will be included in an aggregate area management study are under consideration.
5. Larry Goldstein (Ecology) brought up his request on February 4th for WHC primary QA documents and a list of supporting documents for 100-NR-1 and NR-3.
6. Merle Lauterbach (WHC) questioned the schedule for expedited review.

100-HR Aggregate Area

7. Alan Krug (WHC) presented an overview of activities at the 100-HR Aggregate Area. An agenda for this meeting (see Attachment #4), a progress schedule (see Attachment #5), and comments on the December 19, 1990 meeting minutes (see Attachment #6) were distributed.

#### 100-HR-1

8. Roberta Day (WHC) described work progress at 100-HR-1 (also see Attachment #5). The hazard assessment has been completed for the Septic Tank Study. Hazard assessment documentation has been initiated for the Pipeline Assessment. The grid survey for the GPR survey has been done by Kaiser. The surface radiation survey will be done in an April/May timeframe.
9. Chuck Cline (Ecology) mentioned that the Air Permit documents were pulled back; the usual process was not initiated. Doug Sherwood (EPA) stated that under CERCLA, air permits are not required, but that information was provided to the Health Department as a courtesy.
10. Larry Goldstein (Ecology) stated for the record that he requests a schedule to support work at 100-HR-1. The original schedule is void.
11. Alan Krug (WHC) requested Larry Goldstein (Ecology) to provide the Ecology comments on the comment resolution. Larry indicated that they would be forthcoming shortly.
12. Mike Sumsion (WHC) presented a briefing on the Hanford Information Gathering Instrument (see Attachment #7). This robot will be initially used in the 100-HR Area to inspect the cooling water pipelines.

#### 100-DR-1

13. Naik Naiknimbalkar (WHC) updated the status of work on 100-DR-1 per Attachment #5. Alan Krug (WHC) reported that the 100-DR-1 source investigation/data compilation report will be distributed prior to the March UMM.

#### 100-HR-3

14. Alan Krug (WHC) described the status of scheduled activities at 100-HR-3. International Technology has submitted a draft the data compilation report. Kaiser has received the topographic data; a schedule for production is forthcoming. Data less labeling could be available through HEIS soon. No field activities are scheduled for March.

#### Hanford Reach Surveillance

15. The Corps of Engineers permit application was completed by WHC and submitted to DOE. It is hoped that it will be approved quickly so that work can be done during the spring condition of low water.

### Action Items

16. Alan Krug (WHC) updated the Action Items (see Attachment #3). The action items that were discussed are summarized below.

1HR3.34: A change request will be completed for the change in scope to the 100-HR-3 biotic sampling program.

1HR.35: Closed

1HR.36: Closed

100-HR-3

## Attachment #2

### Attendance List

#### 100 Aggregate Area Operable Units Managers Meeting February 21, 1991

Name	Organization\Responsibility		Phone
Pak, Paul	DOE	Unit Manager	509-376-4798
Cline, Chuck	Ecology	U.M. Hydrogeo.	206-438-7556
Cross, Steve	Ecology	CERCLA Unit	206-459-6625
Einan, Dave	EPA	KR-1, 4 Unit Mgr.	509-376-3883
Lacombe, Donna	PRC	EPA Contractor	206-624-2692
Fassett, Doug	SWEC	GSSC	509-376-9969
Fryer, Bill	SWEC	GSSC	509-376-9707
Day, R. E.	WHC	HR-1	509-376-7602
Green, Bill	WHC	100-NR-1, 3	509-376-3886
Krug, Alan	WHC	HR-3 Coord.	509-376-5634
Lauterbach, Merle	WHC	Env. Eng.	509-376-5257
Naiknimbalker, Naik	WHC	100-DR-1	509-376-8739
Sumsion, Michael L.	WHC	HR-1	509-373-4406
Drost, Brian	USGS	EPA Support	206-593-6510
Staubitz, Ward	USGS	EPA Support	206-593-6510

## Attachment #3

## Commitments/Agreements Status List

100-HR-1/HR-3/DR-1 Operable Unit  
February 21, 1991

Item No.	Action	Status
1BC.1:	A presentation on the Environmental Restoration Document is planned for the next meeting. Action: Jim Patterson	Open (9/20/90)
1HR1.25:	The HR and DR work plans will be reviewed by the regulators for incorporation of their comments. Public review is on hold pending DOE-RL review of cost estimates. DOE will provide a schedule for the cost estimates by the next operable unit manager meeting. Action: Jim Goodenough (10/17/90, HR1-UMM)	Open
1HR1.26	Provide a schedule to Ecology for the completion of the HR-1, HR-3 and DR-1 work plans. Action: Mike Thompson, Jim Goodenough (10/16/90, GT.UMM)	Open
1HR3.27	Determine the next critical date for completing the HR-3 work plan. Action: Bob Stewart (10/16/90, GT.UMM)	Open
1HR1.28	Determine when the topographic mapping will be available on HEIS, who is responsible for digitizing the mapping, and when it will be available. Action: Alan Krug (11/15/90)	Open
1HR3.29	Provide regulators with information about the situation concerning the cooling-water discharge pipeline/vent pipes on the island opposite D reactor. Action: Jim Goodenough (11/15/90)	Open
1HR1.30	Check previous UMM minutes to identify outstanding action items. Aggregate 100 area UMM minutes will be placed into the file of each 100 area operable unit included in the meeting. Action: Doug Fassett (SWEC) (12/19/90)	Open



1HR1.31	Resolve the question of DSHS agreement on the Process Effluent Pipeline Integrity Assessment/Air Compliance Finding. Action: L. Goldstein (1/15/90)	Open
1HR3.32	Regarding the removal of the vent pipes, WHC will: 1) Determine the need for an ACE permit; 2) obtain a letter from ACE that gives approval to begin work before the need for the permit is determined; and, 3) draft letters on the matter to the Natural Resources Trustees. Action: A. Krug (1/15/90)	Open
1HR1.33	Place Ecology's letter, regarding their nonacceptance of the concurrent review process, in the Administrative Record. Action: A. Krug (1/15/90)	Open
1HR3.34	Obtain concurrence from the regulators on proposed changes in scope to the 100-HR-3 Biotic Sampling Program. Action: A. Krug (WHC) 1/24/91)	Open
1HR.35	Mike Thompson is to explain to his project manager that work plans without schedules are not acceptable to the EPA because they do not meet TPA requirements for enforceable milestones. Action: Mike Thompson (DOE) (1/24/91)	Closed (2/21/91)
1HR3.36 (GT.94)	The GSSC is to determine what changes in procedure would be required to provide OU Coordinators a copy of the corrected UMM minutes at least 24 hours in advance of the following month's UMM. Action: Doug Fassett (SWEC) (1/24/91)	Closed The draft minutes are to be distributed within two weeks of the UMM. Comments on the draft are to be made at least three working days before the following UMM. The second draft of the minutes is to be distributed at least 24 hours before the UMM (2/20/91).

**Attachment #4**

**Agenda**

**100 Aggregate Area Operable Units  
February 21, 1991**

- o Meeting Minutes**
- o 100-HR-1 Status**

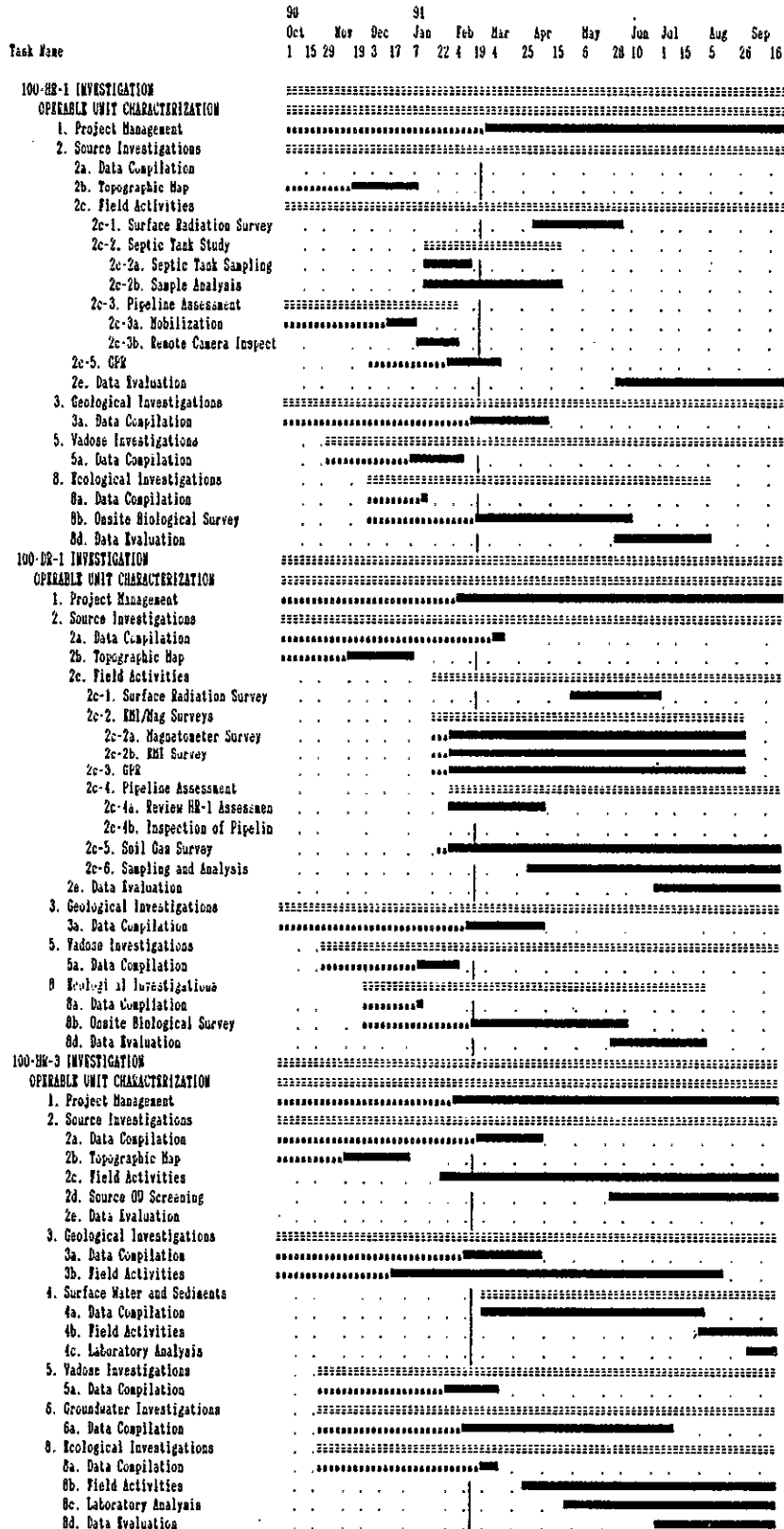
**PROCESS PIPELINE CAMERA SYSTEM**

- o 100-DR-1 Status**
- o 100-HR-3 Status**
- o Hanford Reach Surveillance**
- o Action Items**

Schedule Name : 100-HR-3 IT91  
Responsible :  
As of Date : 21-Feb-91

Schedule File : UNHVERN

Select filter : obs



----- Detail Task ===== Summary Task \*\*\*\*\* Baseline  
===== (Progress) ===== (Progress) >>> Conflict  
===== (Slack) ===== (Slack) ===== Resource delay  
Progress shows Percent Achieved on Actual \* Milestone

The following two corrections were sent to Doug Fassett on January 9, 1991 with respect to the *Meeting Summary and Summary of Commitments and Agreements, 100 Aggregate Area Operable Units Managers Meeting, December 19, 1990*. These corrections were sent via electronic mail per request. The items were never dispositioned.

1. Item 2 should be reworded as follows:

Roberta Day Distributed an information package on the Process Effluent Pipeline Integrity Assessment/Air Compliance Finding (see Attachment #5). The handout gives information on how the substantive requirements of the Clean Air Act where met. Concurrence was given by Doug Sherwood (EPA) and Chuck Cline (Ecology) that the substantive requirements were met and that the work could proceed based on this document without an Air Quality Permit. WHC should notify both the Washington Department of Health and the EPA Air Representative. The greenhouse and HEPA system have been installed.

2. Item 3 should read as follows:

. . . . . effective in location the 1607-H2 and 1607-H4 septic tanks and tile fields. GPR should . . . . .

In addition, an incorrect note was added at the end of item 2 of the meeting minutes without further review prior to RI Coordinator sign-off. This note needs to be eliminated from the record.

100 Aggregate Area Operable Units Managers Meeting  
February 21, 1991

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Tri-Party Agreement, Prog. Mgr.  
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Prgm. Mgr. WHC

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100-KR-1, 100-KR-4, 100-NR-1, 100-NR-3; Care of Susan Wray, WHC (H4-51C)

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100-443887-100

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# H I G I

# Hanford Information Gathering Instrument

# INSPECTION REQUIREMENTS

- Visually Inspect 4400 Feet of 5' Inside Diameter Piping
- Obtain In-Situ Oxygen and Explosive Gas Level Measurements
- Obtain In-Situ Gamma Radiation Level Measurements
- Axially Locate Areas Of Interest

# EQUIPMENT

## MODULAR COMPONENT APPROACH

- Pipe Crawler
- Camera System
- System Controller/Power Supply
- Radiation Detector
- Oxygen/Explosive Gas Detector
- Axial Encoder



# PIPE CRAWLER

- 2 Four Wheel Drive Pipe Crawlers  
Integrated For Steerability
- Retrievable With Safety Umbilical

# CAMERA SYSTEM

- Color Video Camera (CCD Chip Type)
- Focussed Lighting
- Pan and Tilt Unit
- Linear Distance Encoder
- Color Monitor
- Video Tape Recorder

# SYSTEM CONTROLLER/POWER SUPPLY

- **Multiplexed**
  - Camera Functions, including Pan & Tilt
  - Crawler Functions
    - Radiation Detection
    - Lighting
- **Remotely Rechargeable Battery Pack**

# RADIATION DETECTOR

- 1 mR to 10,000 mR Gamma
- Remotely Displayed

# OXYGEN/EXPLOSIVE GAS DETECTOR

- Safety Requirement
- Remote Visual Reading